

COST-EFFECTIVE RELIABLE SOCKET

(1.27 mm) .050" PITCH • FLE SERIES



FLE **Board Mates:**

FTSH, FTS, FW

Cable Mates: FFMD*, FMTP

Standard FFMD callout will not mate with FLE, SFMC. Must use gold plated callouts. (See drawing on web.)

SPECIFICATIONS

Insulator Material: Black Liquid Crystal Polymer Contact Material: Phosphor Bronze **Plating:** Au over 50 μ" (1.27 μm) Ni **Current Rating:** 2.9 A per pin (2 pins powered) (2 pins powered)
Operating Temp Range:
-55 °C to +125 °C
Insertion Depth:
(1.83 mm) .072" to (4.37 mm)
.172" or pass-through
Normal Force: 100 grams (0.98 N) Max Cycles: 100+

PROCESSING

Lead-Free Solderable: SMT Lead Coplanarity: (0.10 mm) .004" max

ALSO AVAILABLE

Other Plating (MOQ Required)





02 thru 50



PLATING OPTION



-G

= 10 µ" (0.25 µm) Gold

OPTION

-A

= Alignment Pin (Metal or plastic at Samtec discretion) (3 positions minimum)

-K = (4.25 mm) .167" DIA Polyimide film Pick & Place Pad (5 positions minimum)

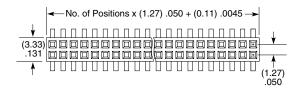
-P = Metal Pick & Place Pad (5 positions minimum)

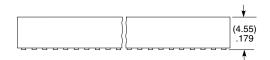
-TR

= Tape & Reel

-FR

= Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)









Note:

Some lengths, styles and options are non-standard, non-returnable.